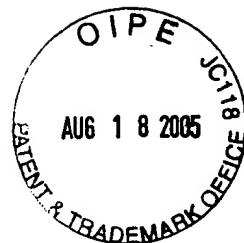


SEQUENCE LISTING



<110> Carson, Monica J
Sutcliffe, J. Gregor
Almazan, Melissa T.
Tobal, Gabriela M.

<120> Gene Expression Modulated By Activation of Microglia Or Macrophages

<130> 98,634-A

<150> US 60/108,259

<151> 1998-11-12

<160> 76

<170> PatentIn version 3.3

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cttcagaggc cgcctctgcc tcaagccac ctatcctggg agcaggaata ctggtgtgta 180

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tgacttattt ccctcggtc cccactagag gatcgaggct agatgccttg tgagaaatgc 180

ctttgagttt actgtccccca acgttttat aatattgtat ataagactat gaccgattgt 240

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taaggcaact gtggccaata tttatatcat gacataaaaa tggatttacg tatttgactg      180
aaatgaaagt tccactaaac ggtatttgct cttgtgatat gtggcacatt gtgatatttt      240
cttagtctgt tctgttttat ttaaaaaata aaattgctga tcaagacaga ataaaaaa      297

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tctcgatgtt ggttaactaa ttttgccag gaccattatt gatcaaggaa anaaattcaa      180
cagccatttg agaataaaaaa      200

<210> 5
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<213> Mus musculus

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tttcatggat tgagaatgct tagaggtttt gtttgttgt ttgattgatt tgttttttg      180
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aactatctgc attatctatg cagcatgggg tttttattat ttttacctaa agatgtctct      180
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<210> 8
<211> 213
<212> DNA
<213> Mus musculus

<400> 8
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aacactgagg gacatctgta gcctgtcagc tccatgctac cctgacctgc aactcctcac      180
ttccacactg agaataataa tttgaatgta accttgattt ttatcatctt gacctaaggc      240
tgatttcttg ttaatttcat ggattgagaa tgcttagagg ttttgctgt ttgttgatt      300
gatttgggg tttgaagaaa taaatganag atgaataaac tcccaaaatg aaaaa      355

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accctgctgt cccagcagtc tggcaactcc taaggcggcc ctggcattgg ctgggtgatt      180
actggctgca ctctgggggg cggttcttcc atgatggtgt ttcctctaaa tttgcacgga      240
gaaacacctg atttccagga aaatcccctc agatggcgc tggtcccac cattcccgat      300
gccttccac ctaatgaaag gtggttcac tactaagaat aaagtgctga atgtcaaaaa      360

<210> 11
<211> 361
<212> DNA
<213> Mus musculus

<400> 11
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attatattct cagggactgc atgcaatgt a	acattactgg ttggttctgc caatttcct	120
cttggtattt ataaaggaaa accaaaactc ttggtcagag acaatatgca	aaacagagat	180
gtcaagtact atgtccaaat actgtgaaat atagtgagaa ataggtaca aatttatcaa		240
tcaactatgt ttggatccag ggaatctcaa gttattcaat tcattctctg taagccttg		300
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<212> DNA		
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gtgagcagaa tgagacaatc ttacaatca gaattgagaa gtgttacaat tgaatggcct		180
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aaaaaa		245

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<212> DNA		
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ctgtcagggtt agcgtcaggc agttacaaag tctgtgggt taaaaaagta acagagcaaa		180
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taataaaatgt gaagtcttca aaaa		264

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ctgaattgac aaatgtcgac ttaactgata aattatattt ggtaaaataa aatggaagtt	180
tatttcgaaa aa	192
<210> 15	
<211> 375	
<212> DNA	
<213> Mus musculus	
<400> 15	
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cccagaaagt ctgctcctt ttgtagtcac ctatctttag gtttctcaaa ccactttca	180
tgaaccagt aatattcaag agaactaaat ttgaagtctg tacaaaagct tctctttaac	240
acgtgccata atacactatc ttctgctcgt cagtccttaa catctacctc tctgaatttc	300
atggatttct gtctcacaag gtttaactat tttatataca ctggctgtag catacaataa	360
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ggcaccatcc gtggggattt ctgcattcaa gttggcagga acatcattca tggcagtgtat	180
tcagtggaga gtgctgagaa agagatccat ctgtggttta agcccgaaaga actgatcgac	240

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<210> 17								
<211> 231								
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cagagaaacc	ctgtctcgaa	aaccaaaaac	aaaaaaaaaa	gaactcc	agtt	taagacttct		180
aataccaaat	tctcttgcaa	gttatgaaaa	taaagtat	aaamcgaaaa	a			231
<210> 18								
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acaactccca	acaaaaaa							317
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cagagaaacc	ctgtctcgag	aaccaaaaac	aaaaaaaaag	aactcc	agtt	aagacttct		180
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<211> 211
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<213> Mus musculus

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actcacaatt ctagaatttg cagtagcatt aattcaagcc tacgtattca ccctcctagt      180
aagcctatac ctacatgata atacacaaaa a                                211

<210> 21
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<213> Mus musculus

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gaaacgcaaa ataaagaggt ggcttcgca taaaaa                                216

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ggtnngatct ttgtntctgta 360
380

<210> 23
<211> 348
<212> DNA

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<213> Mus musculus

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aattaggttt atttcacaa catacaataa accacaagaa aggaaaaa 348

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<211> 335

<212> DNA

<213> Mus musculus

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cattttagg gtttgcctgc attcttgga tcctgcatta gcaagtgaag gtagcacata 180
tatctgggc gtttctgtg tttattggtg taaattcaa ttttacagtt gaaattttat 240
gtttgtatg ctggatatt ttccttgaaa tgtataaaca tgtaaaaatt agattactgc 300
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<210> 25

<211> 191

<212> DNA

<213> Mus musculus

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<210> 26

<211> 48

<212> DNA

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<210> 27
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' RT primer

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<210> 28
<211> 16
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<223> N stands for A, C, G or T

<400> 28
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<210> 29
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: universal 3' PCR primer

<400> 29
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<210> 30
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' PCR primer

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<221> misc_feature
<222> (13)..(16)
<223> N stands for A, C, G or T

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<210> 31
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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      bases G-T-T-C

<400> 31
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<210> 32
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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      bases G-T-T-G

<400> 32
cgacggatc gggttg 16

<210> 33
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' PCR primer with parsing
      bases A-A-G-T

<400> 33
cgacggatc ggaagt 16
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<210> 34
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' PCR primer with parsing
bases A-G-G-T

<400> 34
cgacggtatac ggaggt 16

<210> 35
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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bases A-C-A-A

<400> 35
cgacggtatac ggacaa 16

<210> 36
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' PCR primer with parsing
bases T-A-T-A

<400> 36
cgacggtatac ggtata 16

<210> 37
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' PCR primer with parsing
bases T-T-G-G

<400> 37
cgacggtatac ggttgg 16

<210> 38
<211> 16
<212> DNA
<213> Artificial Sequence
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<220>
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bases T-G-T-G

<400> 38
cgacggatc ggtgtg

16

<210> 39
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: 5' PCR primer with parsing
bases T-C-A-T

<400> 39
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16

<210> 40
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
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bases T-C-G-G

<400> 40
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16

<210> 41
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<212> DNA
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<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_11

<400> 41
gatcgaatcc ggaggtacgt gagagaattc

30

<210> 42
<211> 30
<212> DNA
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<220>
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clone MM_12

<400> 42
gatcgaatcc ggacaagtgt ggccacagga 30

<210> 43
<211> 30
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<400> 43
gatcgaatcc ggacgtgact gtgggtgttg 30

<210> 44
<211> 30
<212> DNA
<213> Artificial Sequence

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<400> 44
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<210> 45
<211> 30
<212> DNA
<213> Artificial Sequence

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<400> 45
gatcgaatcc ggtagcctgt cagctccatg 30

<210> 46
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<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for clone MM_16

<400> 46
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<210> 47

<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_17

<400> 47
gatcgaatcc ggtttggtca tccaacaggg

30

<210> 48
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_18

<400> 48
gatcgaatcc gggtggcaca gccatcaact

30

<210> 49
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_19

<400> 49
gatcgaatcc ggtgagccta tggactcaat

30

<210> 50
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_20

<400> 50
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30

<210> 51
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

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<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_21

<400> 51
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<210> 52
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_22

<400> 52
gatcgaatcc ggtcttaaca gaggactcct 30

<210> 53
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_23

<400> 53
gatcgaatcc ggtcggttg cccagatcgt 30

<210> 54
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_26

<400> 54
gatcgaatcc gggttgcacc tattgcatgt 30

<210> 55
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_27

<400> 55
gatcgaatcc gggttcaacc gcgtgaaggt 30

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<210> 56
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_28

<400> 56
gatcgaatcc ggggctggtg aagtacatga 30

<210> 57
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_29

<400> 57
gatcgaatcc gggcatggtg gcgcacgggt 30

<210> 58
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_3

<400> 58
gatcgaatcc ggaagtgtgt cagagtgcag 30

<210> 59
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_30

<400> 59
gatcgaatcc gggcgtggtg gcgcacgggg 30

<210> 60
<211> 30
<212> DNA

<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_32

<400> 60
gatcgaatcc ggcatacagc taacattact 30

<210> 61
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_38

<400> 61
gatcgaatcc ggccgcacc caacaacttt 30

<210> 62
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_40

<400> 62
gatcgaatcc ggcccttgac accatctgga 30

<210> 63
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_7

<400> 63
gatcgaatcc ggatcatcca gcgggctgag 30

<210> 64
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: extended TOGA primer for
clone MM_6

<400> 64		
gatcgaatcc ggatggcaac cagatgattg		30
<210> 65		
<211> 30		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequence: extended TOGA primer for		
clone MM_37		
<400> 65		
gatcgaatcc ggccggccca tcggaggaca		30
<210> 66		
<211> 30		
<212> DNA		
<213> Artificial Sequence		
<220>		
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clone MM_9		
<400> 66		
gatcgaatcc ggagtccagt ggcctccca		30
<210> 67		
<211> 252		
<212> DNA		
<213> Mus musculus		
<400> 67		
atggccgagc ttggtaaagc ggacgaagcg gagttacaac gcctggtggc cgccgaacag		60
cagaaggcgc aattcaactgc gcaggtgcat cacttcatgg aactatgttg ggataagtgt		120
gtggagaagc caggaagtgc gctagactcc cgcaactgaaa actgcctctc tagctgtgtg		180
gatcgcttca ttgacactac tcttgccatc accggtcggt ttgcccagat cgtacagaaa		240
ggagggcagt ag		252
<210> 68		
<211> 24		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Description of Artificial Sequence: cloning primer for MM_23		
<400> 68		

atggccgagc ttggtaagc ggac

24

<210> 69
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: cloning primer for MM_23

<400> 69
ctggccctcct ttctgtacga tctg

24

<210> 70
<211> 252
<212> DNA
<213> Mus musculus

<400> 70
taccggctcg aaccacttcg cctgcttcgc ctcaatgttg cggaccaccc gggcttgc 60
gtcttccgcg ttaagtgacg cgtccacgta gtgaagtacc ttgataacaac cctattcaca 120
cacctttcg gtccttcagc cgatctgagg gcgtgacttt tgacggagag atcgacacac 180
ctagcgaagt aactgtgatg agaacggtag tggccagcca aacgggtcta gcatgtctt 240
cctcccgta tc 252

<210> 71
<211> 83
<212> PRT
<213> Mus musculus

<400> 71

Met Ala Glu Leu Gly Glu Ala Asp Glu Ala Glu Leu Gln Arg Leu Val
1 5 10 15

Ala Ala Glu Gln Gln Lys Ala Gln Phe Thr Ala Gln Val His His Phe
20 25 30

Met Glu Leu Cys Trp Asp Lys Cys Val Glu Lys Pro Gly Ser Arg Leu
35 40 45

Asp Ser Arg Thr Glu Asn Cys Leu Ser Ser Cys Val Asp Arg Phe Ile
50 55 60

Asp Thr Thr Leu Ala Ile Thr Gly Arg Phe Ala Gln Ile Val Gln Lys
65 70 75 80

Gly Gly Gln

<210> 72
<211> 249
<212> DNA
<213> Mus musculus

<400> 72
gcccagctg gtgaagcgg a cgaagcggag ttacaacgccc tggtggccgc cgaacacgcag 60
aaggcgcaat tcactgcgca ggtgcacatcac ttcatggAAC tatgttggga taagtgtgt 120
gagaagccag gaagtcggct agactccgc actgaaaact gcctctctag ctgtgtggat 180
cgcttcatttgc acactactct tgccatcacc ggtcggtttg cccagatcgt acagaaaagga 240
gggcagtag 249

<210> 73
<211> 82
<212> PRT
<213> Mus musculus

<400> 73

Ala Glu Leu Gly Glu Ala Asp Glu Ala Glu Leu Gln Arg Leu Val Ala
1 5 10 15

Ala Glu Gln Gln Lys Ala Gln Phe Thr Ala Gln Val His His Phe Met
20 25 30

Glu Leu Cys Trp Asp Lys Cys Val Glu Lys Pro Gly Ser Arg Leu Asp
35 40 45

Ser Arg Thr Glu Asn Cys Leu Ser Ser Cys Val Asp Arg Phe Ile Asp
50 55 60

Thr Thr Leu Ala Ile Thr Gly Arg Phe Ala Gln Ile Val Gln Lys Gly
65 70 75 80

Gly Gln

<210> 74
<211> 97
<212> PRT

<213> Homo sapiens

<400> 74

Met Asp Ser Ser Ser Ser Ser Ala Ala Gly Leu Gly Ala Val Asp
1 5 10 15

Pro Gln Leu Gln His Phe Ile Glu Val Glu Thr Gln Lys Gln Arg Phe
20 25 30

Gln Gln Leu Val His Gln Met Thr Glu Leu Cys Trp Glu Lys Cys Met
35 40 45

Asp Lys Pro Gly Pro Lys Leu Asp Ser Arg Ala Glu Ala Cys Phe Val
50 55 60

Asn Cys Val Glu Arg Phe Ile Asp Thr Ser Gln Phe Ile Leu Asn Arg
65 70 75 80

Leu Glu Gln Thr Gln Lys Ser Lys Pro Val Phe Ser Glu Ser Leu Ser
85 90 95

Asp

<210> 75

<211> 98

<212> PRT

<213> Schizosaccharomyces pombe

<400> 75

Met Ala Asp Ala Thr Lys Asn Pro Ile Ala Asp Leu Ser Glu Ser Glu
1 5 10 15

Gln Leu Glu Leu Ser Lys Phe Ile Glu Ser Glu Gln Gln Lys Val Lys
20 25 30

Leu Gln Gln Ala Thr His Gln Phe Thr Ser Thr Cys Trp Pro Lys Cys
35 40 45

Ile Gly Asn Ile Gly Asn Lys Leu Asp Lys Ser Glu Glu Gln Cys Leu
50 55 60

Gln Asn Cys Val Glu Arg Phe Leu Asp Cys Asn Phe His Ile Ile Lys
65 70 75 80

Arg Tyr Ala Leu Glu Lys Phe Gly Phe Leu Phe Cys Trp Leu Gly Phe
85 90 95

Ser Cys

<210> 76
<211> 71
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)..(14)
<223> Xaa can be any naturally occurring amino acid

<400> 76

Pro Gly Trp Pro Pro Ser Gln Pro Glu Gly Arg Ser Leu Xaa Ala Gln
1 5 10 15

Val His His Phe Met Glu Leu Cys Trp Asp Lys Cys Val Glu Lys Pro
20 25 30

Gly Asn Arg Leu Asp Ser Arg Thr Glu Asn Cys Leu Ser Ser Cys Val
35 40 45

Asp Arg Phe Ile Asp Thr Thr Leu Ala Ile Thr Ser Arg Phe Ala Gln
50 55 60

Ile Val Gln Lys Gly Gly Gln
65 70